



HIGH SIERRA ELECTRONICS
environmental monitoring solutions

RWIS

MEASURING THE WEATHER

TO PROTECT THE PUBLIC

AND IMPROVE TRAFFIC SAFETY



Flooded Roadways



High Wind



RWIS



Visibility and Fog

highsierraelectronics.com

*Measuring the weather to
protect the public and
improve traffic safety*

High Sierra Electronics
Non-intrusive Technologies

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Non-Intrusive Pavement Sensors

▣ 5433 IceSight Road Condition Sensor

- Surface Condition
- Surface friction coefficient
- Surface Temperature
- Air Temperature
- Relative Humidity



▣ 5435 Mobile IceSight

- Measures the same surface and atmospheric parameters as the fixed version
- Can handle changing pavement types (asphalt and concrete)



Non-Intrusive Pavement Sensors

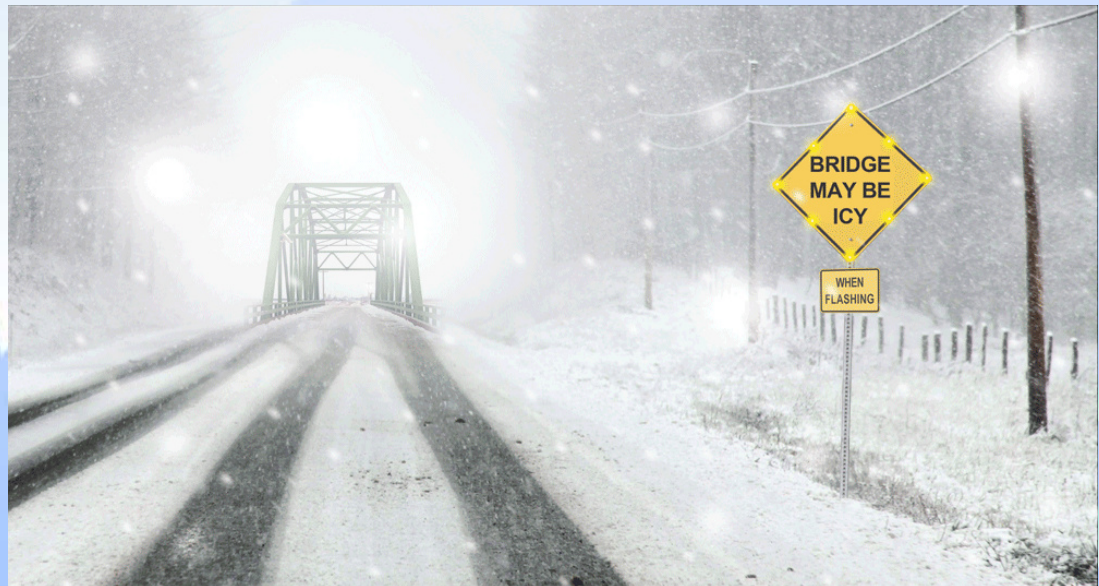
▣ 5439 Surface Sentinel

- Surface Temperature
- Air Temperature
- Relative Humidity
- Dewpoint
- Contact output based on user configured parameters (low temp, high temp and frost warning)

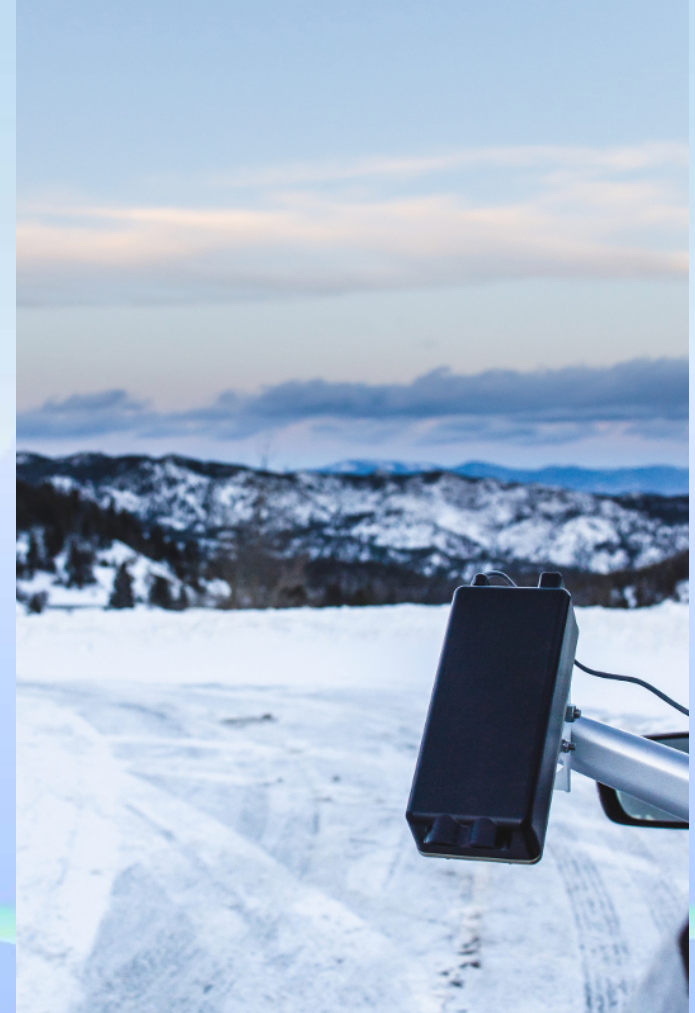


▣ 5436 Mobile Surface Sentinel

- Same parameters and fixed version
- Designed to be mounted on vehicle
- Operator data display
- In development (winter 2014)



5435 Mobile IceSight In Action



5437 Mobile Processing Unit (MPU)



- Integrated GPS, cell modem and wireless access point provides a reliable AVL solution
- Intelligent data push rules to collect data when you need it
- Cloud based central software for easy access and high reliability
- Map based graphical interface
- Real time color trails for quick access to data
- Store and forward data when cell coverage is not available

Glance Software – Level 1

glance
powered by Applied Information

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☐ HSE

- ☐ IceSight3
- ☒ IceSight4
- ☐ IceSight5
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- ☐ IceSight18
- ☐ IceSight19
- ☐ IceSight20
- ☐ IceSightATLTest
- ☐ IceSightCTTest
- ☐ IceSight1

☐ HSE - Innovative Dynamics

☐ IceSight2

Play
 From: [February 11, 2014 15:48:00](#) To: [February 11, 2014 18:08:01](#) Timezone: -8 Hours

Map Satellite

Dry	Damp	Wet	Slush
Snow	Ice	Error	Unknown

Information Overlay

05 - Road Condition

4
Hours
Fade

February 11, 2014 17:13:00

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Google map interface with color trails based on surface condition, surface friction, ambient temperature and road temperature



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